

English Sparrow Record

Blue Bond



Good for the Eyes

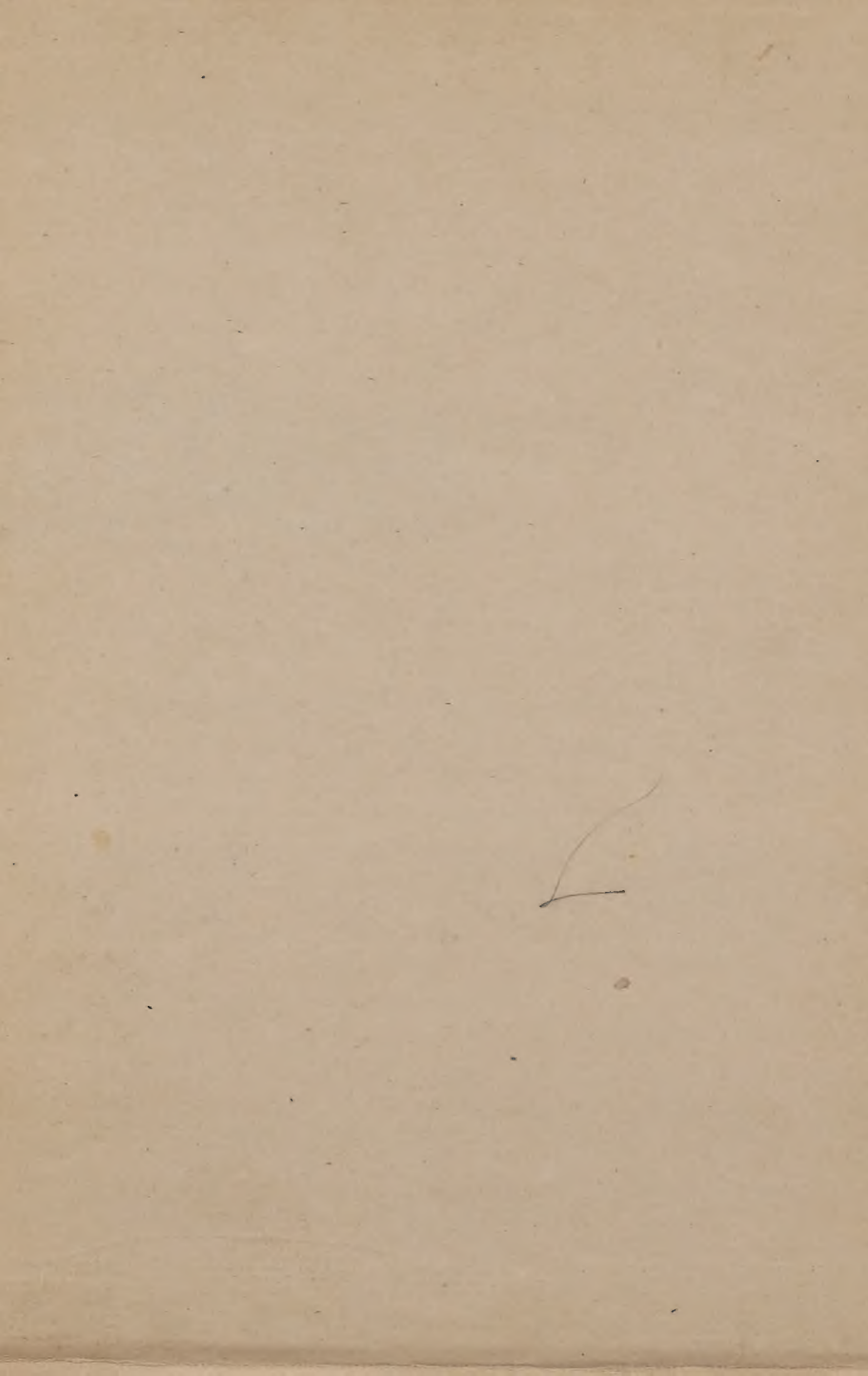
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to
55
59
2 young

Trap No. 1

July	7 a.m.	5 p.m.			
17	Set near flag pole	no			
18	no Young in trap	no			
19	no	1			
20	3	no			
21	no	no			
22					

Trap No. 1

Changed Barrow St,
July 22

22	5	4	2	0
23		4	3	0
24	0	0	4	2
25	0	0		
26	0			
27	0			
28	0			
29	0			
30	0			
31	0			

Trap No. 2

July	7 a.m.	5 p.m.			
17	In lot back of Greek	no			
18	no Young in trap.	no			
19	no Young in trap	no			
20	no	no			
21	no	no			
22	no	no			
23					

Trap no 2

Changed to Barrow St.

23	1	1
24	0	0
25	0	0
26	0	—
27	0	3

Trap. No. 3

July	7 a.m.	5 p.m.			
17	In lot by manure back of creek	no			
18	1	no			
19	no	no			
20	no	no			
21	no	no			
22	no	no			
23	no	no			
24	0	0			
25	0	1 sp 1 Brownie			
26	0				
29	1 sparrow, 1 quill, 1 Brownie				
30	Changed to Culy Field				
31		2			

Trap No. 4

July	7 a.m.	5 p.m.			
17	3y Calf Corral	no			
18	no	no			
19	no	no			
20	no	no			
21	no	no			
22	no	2			
23	no	0			
24	^{Brown Bird} 2 Robbms	0			
25	0	0			
26	2 Brownies				
29	0				

Trap. No. 5

July	7 a.m.	5 p.m.			
17	Outside Cow Corral	no			
18	no	no			
19	no	no			
20	no	no			
21	no	no			
22	no	no			
23	no				
24	Changed to Barrow St July 23				
23		0			
24	0	0			
25	0	0			
26	0	0			
27	3	—			

back Greek Trap No. 6

July	7 a m	6 p m
17	no	no
18	no	2
19	no Dangin trap	no
20	no	no
21	no	no
22	no	no
23	no	1
24	0	0
25	0	1 brownie
26	0	

Empty nests

South Hall III

July 19 Bacon Hall
Palm Tree

Empty nest IIII 1

Greek Theatre

July 21

Empty 2

Empty 4

Chemistry

Empty IIII IIII 1

July Destruction of Nests
18 South Hall

1. 3 young, 1 egg (escaped) Placed in traps.
 - 2 2 young
 - 3 2 young, 1 egg
 - 4 Nest with 1 old egg
 - 5 3 young 3 eggs
 - 6 nest 5 Eggs
 - 7 nest 2 young 4 Eggs
 - 8 nest 1 Egg
-

July 19 South Hall

- 1 Nest 5 eggs
-

^{Palm Tree}
Bacon Hall July 19

- 1 Nest 2 young
- 2 nest 1 egg
- 3 nest 3 young & 1 Egg
- 4 nest 3 eggs

North Hall 19 July

- 1 nest 5 young escaped 1
 - 2 nest 3 Eggs
 - 3 nest 2 young
 - 4 nest 1 young
 - 5 nest 2 young
-

July 21

Pres. House

- 1 nest 5 Eggs
-

Bacon Hall

- 1 nest 2 Eggs
-

Greek Theatre

- 1 nest 4 Eggs
- 2 nest 1 young

Chemistry Bldg

July 22

- 1 nest 3 Eggs
- 2 nest 2 Eggs
- 3 nest 4 young (1 escaped)

23 July South Hall

- 1 nest 1 young

July 26

Antonio Rendon shot all day, 8 hrs.,
and killed 52 sparrows with
22 ad.

Of these 10 were adult males
8 " " females
and 34 were young of the year
J.S.

Aug. 9

Tony shot 2 hrs., 6 to 8 a.m.
with 16 ga. shotgun. He used 5
heavy 10's and 16 light shot.

He got 33 birds — 1 linnet (8 ad.) and
32 sparrows; of the latter 5 were
adult males 4 adult ♀♀, and
23 young of the year. One of the latter
was but partly grown.

Many of the young are well
along with the post-juv. molt. The
adults are noticeably bigger.

Aug. 11

Tony shot for 2 hrs., 6 to 8 a.m.
with 16 ga. He used 7 heavily loaded
(special dust). He killed 11 birds
with one shot.

Total results: 27 — 2 larks,
adult ♀♀, and 25 sparrows; of
the latter there were 8 adult males,
4 adult females and 13 young of the
year.

Aug. 12.

Tony killed nine E. sparrows
in three shots this ^{6 to 8 a.m.} A.M., of
these there were 1 adult ♀, 4
juv. ♀s, 1 adult ♂, 2 juv. ♂s, and 1 ?
The latter was shot to pieces
and left in the field.

Aug. 13
Tony killed 3 sparrows with 4
shots. 2 im. ♂s; 1 im ♀.
6 to 8 a.m. "Very shy."

Tony costs 30¢ per hour.

The six (6) sparrow traps,
purchased from Dickson + Holbrook,
cost \$25.50.

J. G.

Aug. 15 to Sept. 5 - Sparrows seem
to have largely deserted the campus;
are now in large flocks on hills
of North Berkeley. - J. G.

Sept. 6: - Tony asserts that he has
shot 63 sparrow with .22 cal., for
his own personal use (eating) around
President's house (in chicken yard), since
Aug. 15 - J. G.

Sept. 8 - 1913

6 to 8 a.m., Tony shot eleven sparrows
(5♂♂ + 6♀♀) moulting,
with 4 heavy 100. + 6 light loads
shot - 16 ga. J. G.

Sep. 9-1913

Fring shot for ~~1~~^{1½} hours this morning: 11 sparrows (7 ♂, 4 ♀).
with 7 light 16 ga. d. + 2 heavy 10's

Sept. 10

Fring shot for ½ hrs. this morning:
7 sparrows (4 ♂, 3 ♀).
with 11 light d. - 16 ga

Sept. 11

Fring shot for ½ hrs this morning,
6 to 7:30. 5 sparrows (3 ♂ 2 ♀)
with 9 light d. - 16 ga.

Sept. 12

Fring shot for ½ hrs. this morning
6 to 7:30. 14 Sparrows (6 ♂, 8 ♀)
+ 1 Nuttall Sparrow
with 9 light d. + 5 heavy 10's - 16 ga.

Sept. 13

Troy shot for $1\frac{1}{2}$ hrs., 6 to 7:30 a.m.

5 sparrows (3 males, 2 ♀).

with 2 heavy 10's + 3 light dust - 16 ga.

Nov. 14, 1913.

Set four traps in shrubbery on north side of Physiology Building. Baited with wheat. A good rain lasting over a week has set the grass growing. They have cultivated some of the ground in the near vicinity preparatory to planting grass. Consequently the sparrow flock to this locality to feed. Juncos and white-crowned sparrows are very abundant where the traps were set and it is possible that they will be the birds trapped. Wheat cost 25¢.

Date	Hour.	Trap # 6	Trap # 4	Trap # 1	Trap # 2
Nov. 14	3:50	McC. juv.		2 w-c. juv. (ad. and 3 Eng. ♀ juv.	
Nov. 15	8:10	1 w-c. juv.	2 w-c. juv. (ad. and 1 Golden-crowned		
" 16	9:30	1 w-c. (actn. by cat)			2 w-c. juv. 1 Eng. ♀
" 17	9:15				
" 18	Long raining all day.				
" 19	9:45	2 juv. w-c. (traps taken)	1 juv. w-c. (ad. and)	7 juv. w-c. { 5 ad. " {	
" 20	Moved to vicinity of Museum				
" 21					
" 22					
" 23					
" 24	Traps taken in. No success!				

Back showed that he caught
15 English Sparrows, a blue jay and
a Towhee the first day with the traps
set at the scowery. He used
peanuts for bait and as well as
milled corn.
H.C.B. Sept. 6, '13.

Tuesday, December 30 - 1913.

Cloudy and began to rain.

Went out 7 to 8 a.m. over the Campus after sparrows. Neither saw nor heard a single one!

Monday, January 5 - 1914.

Clear. Went all over lower Campus after sparrows, 7 to 8 a.m. Found just one bunch, of perhaps 25, on west side of South Hall in (leafless) ivy on walls, in palm tree, and in bushes adjacent. Shot three with 3 shots and got two, $\delta + \text{f.}$ Otherwise, I only heard distant chirps from across streets outside of Campus.

Tuesday Feb. 7, 1914

Bryant & I went after sparrows from 7-7:45 a.m. Bryant used the .32 aux. & got 2 sparrows & killed 3 others; I used the British air rifle & got none but surely killed 2. Total 7 dead. The sparrows hide themselves closely in dense brush & in the palm trees, where the hunter gets only fleeting glimpses. Those in the palms when shot nearly all fall into the axils & never come down.

Feb. 10 - 1914 - Tuesday.

Hunted for $\frac{1}{2}$ hour between 7 + 8 this morning. Killed 5 English sparrows around South Hall, but got only one. also killed accidentally a Nuttall Sparrow, immature. The English Sparrows are exceedingly wary and scarce.

April 6, 1914

Worthern hunted from 6 to 8 a.m.; brot in 9 English Sparrows, 8 of which are adult males, and one ♀ Linnet (not yet nesting). He shot and lost in palms or bushes three other sparrows, and shot 15 aux. shells in all.

Sent around South, Budd & Bacon Halls

April 7, 1914

Worthern hunted from 6 to 8 a.m. Brot in 9 English Sparrows, 6 ♂♂ and 3 ♀♀; one other was shot & lost in palm. 14 aux shells were fired. All around campus buildings.

The ♀♀ show signs of nesting.

April 8, 1914

Worther shot from 6 to 8 a.m.,
and got 10 English Sparrows, 7 ♂♂
and three ♀♀; with 11 aux shells.
All around Mechanics North & South
& Bacon Halls

April 9, 1914

Worther shot from 6-8 & 11
and got 11 English Sparrows.
8 ♂♂ and 5 ♀♀.

April 10, 1914

Worther shot from 6-8 & 11
and got 6 English Sparrows
and 1 ♂ finch. Of the English
Sparrow 3 were ♂♂ and 3 ♀♀.

April 9, 1914

Day rainy. Worthen and another man took ladders and went to work in the afternoon tearing down English Sparrow's nests. The following table gives the results:

Place	Number of nests	Remarks
Pipe Shop - West gable	1	Empty
Power House - Cornice S.W. corner	1	3 young; 1 egg.
Boat Hall - East Window	1	2 young
" " " "	1	Empty
" " - North center	1	4 eggs
" " " East	1	3 young; 2 eggs
" " West South.	1	Empty.
Sather Gate Arch	1	Empty.
South Hall S.W. headen	2	"
" " West side 20 ft from end	2	"
" " West side - South	1	4 young
" " " " "	1	5 "
" " " " "	1	4 " ; 1 egg
" " " " "	1	Empty
" " " Fire escape	1	
" " West side, South	1	2 young; 1 egg.
" " " " "	2	Empty.
" " " " "	19	23 young; 9 eggs.

April 11, 1914

Worther shot 9 English Sparrows this morning. Seven were males and ~~two~~ females. One male Nuttall Sparrow was shot by mistake.

April 13, 1914

Worther shot 11 in 14 shots in Accie trees by Bolt Hall, one in Botanical Garden and one on bleachers. Saw one young one which he used as bait and got four adults. 4 were ♂♂ and 7 ♀♀.

April 14, 1914

Worther shot 13 English Sparrows and a ♀ linnet. Seven (7) of the E.S. were ♀♀ and one was a juvenile.

April 13.

Destruction of nests by Wootton and a helper resulted as follows.

		Place	No. of nests	Remarks
Afternoon	1-4	North Hall, South end near Fire Escape	3	2 old, empty
		" " S.W. Corner	2	1 old, empty
		" " " "	2	empty
		" " West side South	2	"
		" " " " S. porch S.W. Cor.	3	"
		" " " " " " N.W. "	2	"
		" " " " " " near S. porch	1	"
		Bacon Hall, North Palm S. side	1	5 eggs
		" " door Wootton Bureau door	1	14 young 2 eggs
		" " South palm, 8 ft. high	1	4 young
Forenoon		" " " "	1	empty
		" " " "	1	3 young
		South Hall, behind ladder N.W. Corner	3	old nests
		" " West side North	2	empty
		" " " " Near N. Fire Escape	1	4 young
		" " " " " " " "	2	empty
		" " " " " " " "	1	3 (dead) young; 1 egg
		" " " " Porch N. side	2	empty
		" " " " Porch N.W. Corner	1	"
		" " " " S.W. "	1	4 eggs
		" " " " S.W. Pillar	1	empty
		" " " " S.W. Corner	1	1 egg.
		" " " " South S. of Porch	2	empty

Forrest

South Hall South S. of Porch

1 empty

" " S.E. Corner

1 3 young

Bacon Hall, South Palm

1 empty

" " " "

1 ^(dead) 2 young; 1 egg

" " " "

2 empty,

afternoon 4-5 PM

Bacon Hall South door high

1 empty

" " " " "

1 5 young.

Total = 6 old nests; 28 empty
new nests; 25 young; 14 eggs.

April 15, 1914.

Worthington shot five English Sparrows this morning 4 of which were females and one of which was a male. They are growing more shy and consequently more difficult to shoot.

April 16, 1914

Worthen shot 5 English Sparrows
only one of which was a female.

April 18, 1914

Worthen shot 5 ♂♂, 5 ♀♀ & 2 juv.
English Sparrows.

April 20, 1914

Worthen shot 1 ♂, 3 ♀♀, & 1 juv.
English Sparrows

April 21, 1914

Worthen shot 2 ♂ & 3 ♀ English Sparrows
and one ♀ linnet - around South Hall.

April 16

Disturbance of English Sparrow nests, by
Worthington + assistant resulted as follows:
All day - 8 hrs.

	Place	No. nests	Contents
forenoon	Acacia, between Calif. + Board Hall	1	5 dead young
	C.E. Bldg., SW corner	1	3 eggs; inc. adv.
	" " " "	3	empty
	" " South side	7	empty
	" " " "	1	7 eggs, nearly fresh (1 runt)
	" " " "	2	empty
	" " Over door	2	empty
	" " East side	10	empty
	" " North side	1	empty
	" " " "		
afternoon	C.E. Bldg. North side, Centre	3	empty
	" " " " , West	1	3 fresh eggs
	" " NW corner	7	empty
	" " West side	52	empty, mostly last year's.
	" " South side	4	empty, last year's
	" " " "	1	" " "
	" " " "		

Total: 57 old nests, empty.
35 other empty.
5 dead young.
13 eggs.

April 17

Destruction of English Sparrow's nests
 by Worthen and helper resulted as follows:
 Worked from 10 am to 5 pm, with ^{noon} out.

	Place	no. nests	Contents
forenoon	Calif. Hall - Cornice under tile:		
	East side centre	3	empty
	" " "	1	1 egg
	" " south	3	empty
	" " "	1	3 dead young.
	SE corner	5	empty
	South end	12	empty + 1 rotten egg
	West side south	3	empty
	NW corner	1	empty
afternoon	Sather Arch	1	new, empty
	Mechanic Bldg South side	4	old nests empty
	" " " "	3	last year's
	" " " "	1	1 egg
	North Hall, East side	1	empty
	" " " "	1	3 eggs
	" " " "	3	empty
	" " " "	1	last year's
	" " " "	3	empty
	" " NE corner	1	empty
Total: 44 empty nests 3 dead young 7 eggs			

Summary of English Sparrow Campaign on Campus in April 1914.

Worthen shot 26 hrs. (2 hrs each morning
for 13 days) and brought in 112

Eng. Sparrows, of which 63 were adult
males, 45 adult ♀♀, and 4 full-grown young.

Worthen is paid 35¢ per hour; therefore killing
of this number cost \$9.10 plus cost of ammunition.

Worthen with his helper^{part time} (at 30¢ per hour) worked
26 hrs., and tore down 187 nests, which

held 56 young and 41 eggs, costing
\$15.10.

The entire April campaign cost \$24.25
the funds being supplied by

Mr. Martens.

It appears, therefore, by far
the cheaper method to shoot,
just before the breeding season.

12

13

15

16

In Feb. 14 in the morning
 up in the air
 English language
 made to go in the morning

The first of the month
 1914. The first of the month
 the first of the month
 the first of the month

The first of the month

February, 1914

New Campaign

June 3 - 1914 in barnyard + wood campus

R. E. Forbes shot this morning, from 6 to 8, using 16 ga. gun + heavy dust. He got 12 English Sparrows: 1 ad ♂, 1 ad ♀, and 10 full-grown juveniles, some beginning the post-juvenal molt. 5 of the juvs. are males and 5 females.

June 4

Forbes shot this morning around Boalt Hall, North + South halls, from 6 to 8, as above. He brot in 13 Sparrows: 2 ad. ♂♂, 5 ad. ♀♀ and six full-grown juvenals. Of the juvenals sexed with certainty 2 were ♂♂, 3 ♀♀.

June 5

Forbes shot this morning on Campus from 6 to 8, as above. He brot in 18 sparrows: 5 ad. ♂♂, 4 ad. ♀♀, and 9 full grown juvenals.

Of the juvenals sexed with certainty, 3 were ♂, + 2 were ♀♀.

June 8

Forbes shot this morning on Campus from 6 to 8, as above. He brot in: 11 sparrows: 5 ad. ♀♀, 1 ad. ♂, + 5 juvs. Also one ♀ Linnet.

June 9 - 1914

Shot this morning on Campus from 6 to 8, as above. He brot in: 16 sparrows: 6 ad. ♂♂, 6 ad. ♀♀, 3 ju. ♂♂, 1 ju. ♀.

June 10
Shot as usual two hours in early morning. Brot in: 19 sparrows:

3 ad. ♂♂, 7 ad. ♀♀, and 9 fullgrown juv.

^{2 of the juv. are ♂♂, 7 ♀♀.}
These and the rest for the last few days have been mostly shot on the grain field near the vegetable garden on the western edge of the Campus.

June 12

As usual; brot in: 8 sparrows, consisting of 2 ad. ♂♂, 3 ad ♀♀ and 3 juv. — and one juv. Linnet.

June 13

As usual; brot in: 11 sparrows; = 1 ♂, 3 ad ♀♀, 7 juv.

June 15

Forbes shot as usual 2 hrs. this morning; brot in 5 sparrows; = 4 ad ♂♂, 1 ju. ♀. He reports sparrows as now extremely wary, so we will not hunt anymore for a time.

June 23

Forbes shot two hours this morning.
Best in 17 sparrows (from agricultural gardens).
These were turned over to Zool. Dept. for class
work and no record kept of sexes, etc.

June 26

Forbes shot in gardens this morning.
Best in 26 sparrows: 2 ad. ♂♂, 4 ad. ♀♀, and
20 juvenals. Of the juvenals 8 are ♀♀, 9 ♂♂, 3 indeterminate.

1916

W.C. Newberry operating.

January 12.

Shot on campus, near Harmon
Gym. for about $\frac{1}{2}$ hour (7:15 - 7:45 A.M.)

3 ♂♂ brought in and one lost
after being shot. Total 4 sparrows.

Note: Saw English Sparrow (♂) attack
two dwarf hermit thrushes and drive
same out of tree. Were not found
mingling with any other species.

Jan. 13 -

Hunted on campus near Chem.
Bldg. & faculty club - 7:15 A.M. to
7.45 A.M. Shot 3 birds, brought
two in. (♂♂♂). One bird dropped
into thick brush & not found.

NOTE: Rainy, foggy morning. Robins,
Varied Thrushes, Intermediate & Nuttall
sparrows plentiful & foraging. English
sparrows seemed affected by rain
& were quiet & in hiding. Only
saw 4 birds in half hour.

Jan. 15

Hunted on campus near
Chem, Civil Eng. Bldg. & old anthropology
ology museum. Shot & dropped
6 birds, found 4. ♂♂♂♀.

Wounded 3. Time 7:15 to 8 A.M.

Jan. 18 -

Hunted on campus - 7:15 to 8 A.M. - Shot 3 sparrows all ♂♂, at east end of Botanical Gardens. Saw only one bunch of any size and a few singles.

Kept a rough census of birds seen - Sparrows 18, Others 53.

May have counted some sparrows twice!

Shot into bush containing 4 or 5 Eng. Sparrows + about 8 Nittalos. At some of shot all Eng. Sparrows left the neighborhood. - Nittalos never left bush or showed signs of alarm. No sign of nesting.

- Jan. 20 -

Hunted on campus, 7 to 7:45 A.M. No luck. Wounded two birds but failed to get them. Are too wary to get with 22 cal.

Bird census - 76 others
21 sparrows (Eng.)

Only two flocks on campus that I am sure of finding.

— Jan. 21 —

Hunted on campus 7 to 7:45 A.M.

Used $\frac{1}{2}$ shot-gun with 32 cal.
aux. Dropped 4 sparrows & got 3.
(2 ♂♂ and 1 ♀.) Saw the same
two flocks again today, one
at east end of Botanical Gardens
and other at Anthropology Bldg.

Bird Census. Eng. Sparrows 20(?)
Others 63.

no sign of sparrows nesting.

— Jan. 25, —

Hunted on campus ($\frac{3}{4}$ hr.)
from 7 - 7:45 A.M. at east end
of Botanical Gardens & around
Elec. Eng. Bldg. Shot two sparrows,
♂ & ♀. Believe I wounded one
at ex. south end of Anthropology Bldg.
no sign of courting or nesting.

Other birds, such as Brown

Tree & song sparrows are
beginning to show signs of
interest in each other.

Census:

Eng. Sparrows . . 8.

Others 54

Weather foggy & damp

— Jan. 26 —

Hunted on campus $\frac{3}{4}$ hr. (7-7:45
AM). Searched near Cutter St. gate,
Agriculture Bldg. and Botanical gardens
but saw no birds. Saw 3 in Ivy
on wall of Civil Eng. Bldg. but could
not get a shot. Saw a small flock
of 4 back of Anthropology Bldg. Shot 2,
♂, caught on branch of tree & was still
there at noon. Broke wing of a
female but could not catch her.
Shot a fox sparrow by mistake.

Mortality: Eng. Sparrows 8 ♀
Fox Sparrow 8

Census: Eng. Sparrows 7
Others 67

Jan. 29

Hunted on campus. 1 hour,
(7 to 8 A.M.) Found two flocks,
and two singles. Killed 4 sparrows.
2 ♂♂ and 2 ♀♀. Largest flock is
always found in vicinity of the
Infirmary. No sparrows found
around the Greek Theater.

No signs of courting or nesting.

Census:

Eng. Sparrows 13

Others 55

— Feb. 1, —

Hunted on campus $1\frac{1}{4}$ hours
(6:45 to 8 A.M.) around Harmon gymnasium,
Cab. Hall, Botanical Gardens &
Infirmary. Also looked around
Greek Theater but saw none.

Got 3 shots and killed 2 ♂♂.

Birds very wary and hard to
approach. No sign of nesting.

Census: Eng. Sparrows 16

Others 64.

— Feb. 2 —

Time 1 hour.

Hunted on campus near
Philosophy Bldg. & Infirmary.

Shot 3 birds but could only find
♀. — Brought in 1 ♂ and 1 ♀. Total 1 ♀

NOTE: Took an injured Sierra Junco
away from a cot near Civil Eng.
Bldg.

Census: Eng. Sparrows 14
Others 59

— Feb. 5 —

Hunted on campus (1 hour) 7-8 A.M.

Near Bacon Hall, Botanical Gardens
and Infirmary—

Shot 6 sparrows, all ♀♀ - lost one in
large palm near Bacon Hall - brought in
5. — —

Saw no signs of nesting. Saw no
nest near Power house as reported. Two
birds near Power house. A new flock
appears to have invaded the campus.
Are hanging around Bacon Hall.

Census: Eng. Sparrows 15
Others 41

Rather dark & foggy.

- Feb. 7 -

Hunted on campus $\frac{3}{4}$ hr (7:7:45)

Shot two sparrows BB - lost one in
patch of Ivy at end of Cal. Hall. Also wounded
1 ♀. Birds quiet. Dark & cloudy.

Census: Eng. Sparrows 12
Others 61

Notes: Census Sunday, Feb. 6 - 12-1 noon.

Eng. Sparrows 10
Others 34

Saw two males in vigorous
pursuit of a female.

- Feb. 8 -

Hunted on campus 1 hr. (7-8 AM)

Shot 4 sparrows 3 BB, 1 ♀.

Sparrows quite plentiful. Believe a
new flock has migrated onto
campus since no flock was quite
large.

Census Eng. Sparrows 22
Others 58

-Feb. 9-

1 hr.

Hunted on campus near Col. Hall & ^{E.} end of
Botanical gardens from ~~7-8~~ 6:50-7:50 A.M.

Shot 4 sparrows 2 ♂♂ and 2 ♀♀ and
wounded one ♂. Birds are just a
little less wary. Saw no signs of
courting or nesting.

Census Eng. Sparrows 18

Others 51

Later:- Saw two ♂♂ in pursuit of a ♀
in Pepper Trees back of Museum.

— H —

— Feb. 11 —

Hunted on campus 1 hr. (6:50-7:50)

Shot 4 Eng. Sparrows 2 ♂♂ + 2 ♀♀.

One flock was quite tame. Still
no signs of nesting.

Census Eng. Sparrows 18

Others 64

Feb. 12 -

Hunted on campus $1\frac{1}{4}$ hrs. (6:45 - 8 AM)
^{Eng. Sparrows}
Birds were very wild. Only got 3
shots. Brought in 1 ♀, lost one ♀.
Total 2. Flock that was on campus
yesterday has apparently left.

Made trip to dairy farm but
no no sparrows.

Census	Eng. Sparrows	20
	Others	94

— Feb. 14 —

Hunted on campus 1 hr. (6:50 : 7:50)
Shot 5 English Sparrows 3 ♂♂ and
2 ♀♀. Lost 1 ♂ + 1 ♀ in top of palm
at Smith Hall.

Census:	Eng. Sparrows	16
	Others	49

NOTE: Saw ♀ Eng. Sparrow carrying
nesting material to eaves of a
house at noon. Location - Chapel
St. First sign of nesting activities.

Feb. 15

Hunted on campus 1 hour (6:50-7:50)

Shot 3 Eng. Sparrows 2♀♀, 1♂.

Lost the male in ivy on S. Hall.

Census: Eng. Sparrows 18

Others 47.

Birds very wild this morning.

— # —

- Feb. 16 -

Hunted on campus 1 hr. (6:50-7:50)

Shot 3 English Sparrows 2♂♂, 1♀.

Lost 1♂ in thick brush near

Campauville. Brought in 89.

Birds (Eng. Sparrows) are beginning to scatter out in 2's and 3's. Some new signs of nesting.

Census Eng. Sparrows 17

Others 88.

— # —

— Feb. 17 —

Hunted on campus $1\frac{1}{4}$ hr. (6:25 } 7:50)
Saw only one flock quite well
scattered out, near Bacon Hall.
Were very wild.
Shot 2 ♀♀.

No signs of nesting on campus
so far.

Census: Eng. Sparrows 15
Others 82

—

— Feb. 18 —

Hunted on campus, 1 hr. (6:50:7:50)
~~Shot~~ Shot & killed 3, wounded 2, ♂♂.
Birds quite wild.

Census: Eng. Sp. 17
Others 66

—

— Feb. 19 —

Hunted on campus $1\frac{1}{4}$ hrs. (6:25:7:50 AM)
Killed 3 sparrows - 2 ♂♂ & 1 ♀.
Saw plenty of signs of courtship but
no nest building.
Census Eng. Sp. 18
Others 40.

11

(6:35-7:50 AM) Feb. 22 — Time $1\frac{1}{4}$ hrs.

Hunted on campus — shot 3 Eng. Sparrows
2 ♂♂ and 1 ♀. Lost 1 ♂. Total 3 dead.

Birds are quite wary & there seems to
be no new flocks on campus
altho' the numbers of individuals
are not noticeably diminished.

Census Eng. Sp. 14

Others 48

11

— Feb. 23 —

Hunted on campus $1\frac{1}{4}$ hrs (6:35-7:50 AM)
Shot no birds as it was very
windy and the few sighted were
keeping close to the eaves of the
buildings & flying high. The other
birds were not as conspicuous.

Census Eng. Sp. 12

Others 57

11

Feb. 24

Hunted on campus $1\frac{1}{4}$ hrs. (6:35 - 7:50 A.M.)
Clear quiet morning - sparrows
active and noisy although very
wild. Shot 2 ♂♂ + 1 ♀. Lost 1 ♂ in
thick bushes across from Harmon
gym. Others shot near Bacon Hall.

No signs of nesting although it is
possible that my presence keeps
them on the move. Am going to
try baiting them.

Census Eng. Sp. 16

Others 52.

H

- Feb. 25 -

Hunted on campus $1\frac{1}{2}$ hrs. (6:30 - 8:AM)
Windy and consequently birds were
hard to approach. Hunted around N. & S.
Halls, Bacon Hall, Civil Eng. Bldg. and the
Museum of Anthropology. Shot two birds,
1 ♂ and 1 ♀. Was unable to get to
where the male fell.

Census: Eng. Sp. 21.

Others: 58.

- Feb. 26 -

Hunted on campus 1 hr. (7-8 AM)
Covered thoroughly the western part
of the campus. Only Eng. Sparrows
seen there was a flock of 4 feeding
in Olive trees near Ag. Hall. Nearly
all other varieties on campus were
feeding in large numbers upon
the Olives which are nearly ripe.

So many individuals in sight
that it was impossible to take a
census. Estimate - 300-500.

NOTE: Near Bacon Hall where it is
impossible to get near an Eng Sparrow
at 7:30 I was within 6 ft. of 4 at
8:30. Carrying gun the same as
usual.

Census Eng. Sp. 12

Others - Several hundred.

Shot one ♀ out of an Olive tree.

— 11 —

6:55 - 7:50 AM)

Feb. 28 -

Time 1 1/4 hr.

Hunted on campus near Ag. Hall.
Only sparrows there (2) took refuge on
top of bldg. out of range. Then went
over near Bacon Hall but failed to
get a shot there. Then hunted back of
Museum of Geol. & Anthropology. Shot
two birds there ♂ & ♀. Lost mole in
thick clump of Acacias. Birds still
in small flocks & no signs of
nests found around bldg.

Common Eng. Sparrows 13

Others - 103

Feb. 29 -

Hunted on campus 1 1/2 hrs. (6:30:8 AM)
Saw two Eng. sp. near Ag. Hall but
could not get a shot. Then found
small flocks around Philosophy Bldg.
& Bacon Hall. Missed two shots with
32 aux. Then killed one with 1/2 load
16 gauge. Lost time in thick brush
around Civil Eng. Bldg.

Common: Eng. sp. 15

Others more than 100.

- March 1 -

Hunted on campus $1\frac{1}{4}$ hrs. (6:35-7:50 A.M.).

Windy and a little rain. All species of birds & keeping rather quiet as a result.

Hunted near Ag. Hall - Bacon Hall & Path. Bldg.

Shot & secured 2 ♀♀. Wounded 1 ♂. Also shot by mistake a ♀ Nuttall sparrow.

Saw no signs of nesting.

Census Eng. Sp. 14

Others 87

————— 11 —————

- March 2 -

Hunted on Campus $1\frac{1}{4}$ hrs (6:35-7:50 A.M.)

Killed 3 ♀♀ and 1 ♂. Lost, one in tree, one in ivy and one in thick brush. Brought in 1 ♀.

Total 4 birds. Still no signs of nesting.

NOTE. Saw ♀ Nuttall sparrow gathering nesting material.

Census: Eng. Sp. 15

Others 53.

————— 11 —————

c March 3 -

Hunted on campus $1\frac{1}{4}$ hrs. (6:35-7:50 A.M.).

Shot 3 ♂♂. Lost one.

Birds very wild. No nesting signs.

Census: Eng. Sp. 15

Others 66

- March 4 -

Hunted on campus $1\frac{1}{2}$ hrs. (6:35 - 8 AM)
near Harmon gym, Power house, Bacon Hall
Philosophy Bldg and Pathology lab. Found
Eng. Sparrows near Bacon Hall and
the Pathology lab. Shot 4, 3♂♂ and 1♀.
One ♂ got away by crawling into drain
pipe. Others brought in. The Eng Sparrows
are still flocking and no nesting
building or nests seen so far.

Census Eng. Sp. 15
others 71

11

- March 6 -

Hunted on campus $1\frac{1}{2}$ hrs. (6:30 - 8 AM)
In usual places as above. Shot &
killed 3, 2♂♂ and 1♀. Wounded one
♂. Eng. Sparrows were flocking & fighting
among themselves with much
noise.

Census Eng Sp. 19
others 77

11

- March 7 -

Hunted on campus $1\frac{1}{2}$ hrs (6:30-8 AM)
First first near Ag. Hall. Saw 3 Eng. Sp.
there but was unable to get a shot.

Hunted small flock around Harmon
gym. and another around Bacon Hall.

The birds around Bacon Hall are
resident in that one spot. Can always
be found there. All other flocks on
the campus are slightly migratory.

Searched carefully in eaves of the
various bldg. but saw no nests nor
have I seen any nest building so far.

Census Eng. Sp. 19

others 63

NOTE: ^H forgot to say that I killed & brought
in ~~2~~ 2 ♀ and 1 ♂ and wounded 1 ♂

^H
- March 8 -

Hunted on campus $1\frac{1}{2}$ hrs. (6:25: 7:55 AM)

Shot 1 ♂ Eng. Sp. & wounded 1 ♂ which
I failed to get. Believe that they are
beginning to nest under eaves of
main Bldg.

Census Eng. Sp. 23

others 103.

- March 9 -

Hunted on campus $1\frac{1}{2}$ hrs. (6:20-7:50 AM)
around Calif. Hall, Harmon Gym.
North & South Halls, Philosophy Bldg.
Mining Bldg. & Pathology Bldg.

Killed 1 ♂ Eng. Sp. & wounded 1 ♀.

Have this to offer as a result
of many observations: The Eng.
sparrows are the most plentiful
upon the campus in those
sections which are the most
thickly populated by humans.

The center of the sparrow
population is inside of the
square made by North & South
Halls, Bacon Hall & the Philosophy
Bldg.

Errors: Eng. Sp. 19

Others 83.

— 11 —

- March 10 -

Hunted on campus $1\frac{1}{2}$ hrs. (6:25 AM - 7:55 A.M.). Shot & killed 7 Eng. Sp.

Brought in 5 (3 ♂♂ and 2 ♀) Lost 2.

One in palm by Bacon Hall and 1 on roof of Bacon Hall, both ♂♂.

Birds were quite wild this morning. I have found no nests so far but 2 of the birds shot this morning were in the act of copulation so nesting season is apparently close.

The nest under observation off the campus is abandoned.

Probably a premature attempt.

Census Eng. Sp. ~~10~~ 20

Others 77

J. d.
3/10/16

- March 11 -

Hunted on campus $1\frac{1}{2}$ hrs. (6:30:8 A.M.)

Shot & killed 2 ♂♂ and 1 ♀. Wounded 1 ♀.

Birds shot near Power Plant and 2 balconies were stragglers from off the campus. Almost impossible to shoot any of the Bacon Hall flock.

Census: Eng. Sp. 15

Others 51

- March 13 -

Hunted on campus $1\frac{1}{2}$ hrs (6:25:7:55 A.M.)
Searched near Ag. Hall & Center St. gate but
so no Eng. Sp. Found flock of 4 near
Harmon gym. and rest of them near
South & Bacon Halls. Only succeeded in
wounding 1 ♀.

Found 1st nest on campus in
metal scroll work over Sather gate.
Have a suspicion that 2 ♀♀ and 1 ♂
are occupying the nest. Could have
killed the three easily but let
them remain for future observation.

Census Eng. Sp. 15

Others 61.

- March 14 -

Hunted on campus $1\frac{3}{4}$ hrs. (6:10:7:55 A.M.)
Killed 4 Eng. Sp. 3 ♀♀ and 1 ♂. Lost the ♂ bird.
Also wounded one. Saw more sparrows
than usual but to do so covered more
ground this morning. Hunted down
between the athletic fields to Bancroft
Way - Near girls gym. etc. as well as
usual places.

Census Eng. Sp. 25

Others 89

- March 15 -

Hunted on campus $1\frac{1}{2}$ hrs. (6:25:7:55)

Killed 3 ♀♀ and wounded 1 ♂.

The nest over the Salthu gate still appears to be occupied by 2 ♀♀ and 1 ♂. Am trying to obtain convincing evidence of polygamy.

Census Eng. Sp. 17

Others 53

- March 16 -

Hunted on campus, $1\frac{1}{2}$ (6:25:7:55)

Killed 4 ♀♀. Lost one in thick clump of Acacia. Hunted more on outskirts of campus this morning, hence the reason why fewer birds were seen. Nothing new as to habits noted.

Census Eng. Sp. 9

Others 54

- March 17 -

Hunted on campus $1\frac{3}{4}$ hrs (6:10 - 7:55 A.M.)
Saw a few birds near Harmon Gym.
but was unable to get a shot.

The observations made this morning show that Eng. Sp. from off the campus, come into the campus and when they do so, are just as wild & wary as those which apparently live there and have been perched each morning. As soon as the flock left the campus they could be approached to within a few feet.

Also, there were no birds around Bacon Hall this morning. Perhaps the continual shooting at them there has caused them to migrate. They are as plentiful as usual around the Phyloogy Bldg. & North Hall.

Shot & killed 1 ♂ + 1 ♀. Wounded 1 ♂.

Census Eng. Sp. 11
Others 52

March 18 -

Hunted on campus 2 hrs. (6-8 AM)
made a pretty thorough survey, went around
Cullen St. gate; Ag. Hall and on several routes.
The Eng. Sp. were back at Bacon Hall
but left as soon as I shot one.

An individual ahead of me was
able to pass within 40 ft. of 3 sparrows
which I could not approach, hence they
are able to recognize me.

Killed 4, 2 ♂♂ and 2 ♀♀ and wounded
1 ♀. Lost 1 ♂ + 1 ♀, brot in 2.

The other species were in such
great numbers among the Olive
trees near Ag. Hall that I was unable
to take a census of them.

Eng. Sp. 23.

11
- March 20 -

Hunted on campus $1\frac{1}{2}$ hrs. (6:25-7:55 AM)
Rainy & foggy and birds of any kind not
much in evidence. Killed 1 ♀, wounded 1 ♂
and also killed 1 ♀ Nuttall Sparrow.

Census Eng. Sp. 11
others 37

- March 21 -

Hunted on campus 1 1/2 hrs (6:25-7:55 AM)
Clear cold morning. Birds all very active.
Eng. Sparrows particularly shy. Only
succeeded in getting 1 shot and bagged
a ♀. Saw several small flocks, flying
high, cross over from city streets into
campus and back again. Apparently
they move about quite a little. Bacon
Hall again the home of several.

Census Eng. Sp. 21

Others 142

- March 22 -

Hunted on campus 2 hrs. (6-8 A.M.).
Covered the ground thoroughly and only
succeeded in getting two shots, killing
1 ♀ which dropped in thick brush along
oak bottom back of Harmon gym &
was lost. At least 6 of the Eng. Sp.
seen, were seen to fly upon the
campus from Telegraph ave. Others
were seen flying out, hence there
appears to be a more or less steady
movement back and forth.

Question: why do not the Linnets
supplant the Eng. Sp. to a certain
extent at least, they outnumber
them and occupy the same niches
i.e.: house tops & telephone wires.
Perhaps they are not quite as
fugacious.

Census Eng. Sp. 22

Others 113

- March 23 -

Hunted on campus (1 $\frac{3}{4}$ hr. between
6 & 8 A.M.) Birds very wild. Only
succeeded in wounding 1 ♀.

Census Eng. Sp. 14

Others 87

- March 24 -

Hunted on campus 1 $\frac{3}{4}$ hrs. (between
6 and 8 A.M. Believe that the only
real resident birds on the campus
are those whose range lies in
section bounded by North & South
Halls, Botany Bldg. Bacon Hall and
the Philosophy Bldg. All others, found
irregularly on other parts of the

campus are those which come and go from the street outside. Killed 4 Eng. Sp. 2 ♂♂ and 2 ♀♀, and wounded 1 ♀. Lost one ♀ on other side of fence to football field.

Census Eng. Sp. 17

Others 117

- March 25 -

Hunted on campus 1½ hrs. (6:20:7:55 A.M.). Only succeeded in wounding 1 ♂ which got away. It belonged to a flock of Sparrows which drift in from the north side of the campus.

Census Eng. Sp. 17

Others 106

- March 26 -

Hunted on campus 2 hrs. (6-8 A.M.). Birds (Eng. Sp.) are very wary. Killed 2 ♀♀ and wounded 1 ♂. Lost 1 ♀ in falcon at Bacon Hall.

NOTE: The English sparrows + Linnets appear to dwell in perfect harmony together. Found a broken sparrow's egg on the ground on West side of South

Hall. Could find no nest.

Census Eng. Sp. 20

Others 127

— 11 —

March 27 —

Hunted on campus $1\frac{3}{4}$ hrs. (6:10 - 7:55 AM)

Shot 3 birds, 2 ♂♂ and 1 ♀.

Wounded & lost 1 ♂.

Birds seem very busy around the eaves of the various buildings but can discern no nests so far.

Census Eng. Sp. 20

Others 66.

— 11 —

— March 28 —

Hunted on campus $1\frac{1}{2}$ hrs.

(6:25 - 8 AM.) Found the birds extremely wild. Killed and lost in thick bushes 1 ♂, wounded 1 ♂ &

1 ♀. Census Eng. Sp. 26 -

Others 93

- March 24 -

Hunted on campus 1 $\frac{1}{2}$ hrs. (6:15-8)

The leucis appeared as plentiful
as usual and fully as wary.

Fired several times at long range.

Wounded 1 ♂ and 1 ♀. Killed 2 ♀ + 1 ♂.

Lost one of the females in a tree,
the bird calling on the leucis.

Census. Imp. sp. 22

Others 77.

11

75-2

Camp 8.